

## **IN THE CLAIMS:**

1. (Previously Presented) An antiviral substance comprising hemolymph of insects of subclass Pterigota, wherein said substance is obtained by activating the immune system of the insects, collecting hemolymph, processing the hemolymph by a) centrifugation, b) chromatography of supernatant, and c) elution of hydrophobic components sorbed on a column, wherein the obtained eluate comprises a mixture of hydrophobic components possessing antiviral activity.

2. (Previously Presented) The antiviral substance of claim 1, wherein said immune system is activated by puncturing the cuticle the insect with a needle wetted with a suspension of heat-killed bacteria comprising one or more of *Escherichia coli* and *Micrococcus luteus*.

3. (Previously Presented) The antiviral substance of claim 1, wherein said chromatography of supernatant is performed on a column with sorbent C18 by eluting the hydrophobic components sorbed on the column with 50% acetonitrile.

4. (Original) The antiviral substance of claim 1, wherein species of Odonata order are used as insects of Pterigota subclass.

5. (Original) The antiviral substance of claim [[2]] 4, wherein species of Aeschnidae family are used as insects of Odonata order.

6. (Currently Amended) The antiviral substance of claim [[3]] 5, wherein dragonflies of *Aeschna* genus are used as insects of Aeschnidae family.

7. (Currently Amended) The antiviral substance of claim [[2]] 4, wherein species of Libellulidae family are used as insects of Odonata order.

8. (Currently Amended) The antiviral substance of claim [[5]] 7, wherein dragonflies of Libellula genus are used as insects of Libellulidae family.

9. (Currently Amended) The antiviral substance of claim [[5]] 7, wherein dragonflies of Somatochlora genus are used as insects of Libellulidae family.

10. (Original) The antiviral substance of claim 1, wherein species of Mantoptera order are used as insects of Pterigota subclass.

11. (Currently Amended) The antiviral substance of claim [[8]] 10, wherein soothsayers of Iris genus are used as insects of order Mantoptera.

12. (Original) The antiviral substance of claim 1, wherein species of Hemiptera order are used as insects of Pterigota subclass.

13. (Currently Amended) The antiviral substance of claim [[10]] 12, wherein spittlebugs of Aphrophora genus are used as insects of order Hemiptera.

14. (Original) The antiviral substance of claim 1, wherein species of Mecoptera order are used as insects of Pterigota subclass.

15. (Currently Amended) The antiviral substance of claim [[10]] 14, wherein scorpion flies of Panorpa genus are used as insects of order Mecoptera.

16. (Original) The antiviral substance of claim 1, wherein species of Hymenoptera order are used as insects of Pterigota subclass.

17. (Currently Amended) The antiviral substance of claim [[10]] 16, wherein sawflies of ~~Panorpa~~ Vespa genus are used as insects of order Hymenoptera.

18. (Original) The antiviral substance of claim 1, wherein species of Coleoptera order are used as insects of Pterigota subclass.

19. (Currently Amended) The antiviral substance of claim ~~[[16]]~~ 18, wherein species of Carabidae family are used as insects of Coleoptera order.

20. (Currently Amended) The antiviral substance of claim ~~[[17]]~~ 19, wherein carabuses of Pseudophonus genus are used as insects of Carabidae family.

21. (Original) The antiviral substance of claim 1, wherein species of Diptera order are used as insects of Pterigota subclass.

22. (Currently Amended) The antiviral substance of claim ~~[[19]]~~ 21, wherein species of Stratiomyidae family are used as insects of Diptera order.

23. (Currently Amended) The antiviral substance of claim ~~[[20]]~~ 22, wherein soldier flies of Stratiomys genus are used as insects of Stratiomyidae family.

24. (Original) The antiviral substance of claim 1, wherein species of Lepidoptera order are used as insects of Pterigota subclass.

25. (Currently Amended) The antiviral substance of claim ~~[[22]]~~ 24, wherein species of Noctuidae family are used as insects of Lepidoptera order.

26. (Currently Amended) The antiviral substance of claim ~~[[23]]~~ 25, wherein noctuids of Mamestra genus are used as insects of Noctuidae family.

27. (Currently Amended) The antiviral substance of claim ~~[[23]]~~ 25, wherein noctuids of Diachrisia genus are used as insects of Noctuidae family.

28. (Currently Amended) The antiviral substance of claim ~~[[23]]~~ 25, wherein noctuids of *Axylia* genus are used as insects of Noctuidae family.

29. (Currently Amended) The antiviral substance of claim ~~[[22]]~~ 24, wherein species of Geometridae family are used as insects of Lepidoptera order.

30. (Currently Amended) The antiviral substance of claim ~~[[27]]~~ 29, wherein geometrids of Operophtera genus are used as insects of Geometridae family.

31. (Currently Amended) The antiviral substance of claim ~~[[22]]~~ 24, wherein species of Lasiocampidae family are used as insects of Lepidoptera order.

32. (Currently Amended) The antiviral substance of claim ~~[[29]]~~ 31, wherein silkmouths of *Dendrolimus* genus are used as insects of Lasiocampidae family.

33. (Currently Amended) The antiviral substance of claim ~~[[29]]~~ 31, wherein silkmouths of *Lasiocampa* genus are used as insects of Lasiocampidae family.

34. (Currently Amended) The antiviral substance of claim ~~[[22]]~~ 24, wherein species of Notodontidae family are used as insects of Lepidoptera order.

35. (Currently Amended) The antiviral substance of claim ~~[[32]]~~ 34, wherein prominents of *Notodonta* genus are used as insects of Notodontidae family.

36. (Currently Amended) The antiviral substance of claim ~~[[22]]~~ 24, wherein species of Sphingidae family are used as insects of Lepidoptera order.

37. (Currently Amended) The antiviral substance of claim ~~[[32]]~~ 36, wherein sphinxes of *Sphinx* genus are used as insects of Sphingidae family.

38. (Currently Amended) The antiviral substance of claim ~~[[22]]~~ 24, wherein species of Pyralidae family are used as insects of Lepidoptera order.

39. (Currently Amended) The antiviral substance of claim ~~[[36]]~~ 38, wherein pyralids of Ephestia genus are used as insects of Pyralidae family.

40. (Currently Amended) The antiviral substance of claim ~~[[22]]~~ 24, wherein species of Tortricidae family are used as insects of Lepidoptera order.

41. (Currently Amended) The antiviral substance of claim ~~[[36]]~~ 40, wherein leaf tiers of Tortrix genus are used as insects of Tortricidae family.